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United States Patent [19][11] **Patent Number:** **5,455,854****Dilts et al.**[45] **Date of Patent:** **Oct. 3, 1995**[54] **OBJECT-ORIENTED TELEPHONY SYSTEM**[75] Inventors: **Michael R. Dilts**, Saratoga; **Steven H. Milne**, Palo Alto; **David B. Goldsmith**, Los Gatos, all of Calif.[73] Assignee: **Taligent, Inc.**, Cupertino, Calif.[21] Appl. No.: **108,877**[22] Filed: **Oct. 26, 1993**[51] Int. Cl.⁶ **H04M 3/42; H04M 11/00; G06F 1/00**[52] U.S. Cl. **379/201; 379/94; 364/DIG. 1; 395/62; 395/159; 395/917**

[58] Field of Search 379/93, 94, 201, 379/207; 364/200; 395/159, 160, 161, 500, 51, 75, 917, 922, 61, 62, 700

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[57]

ABSTRACT

A method and system for enabling a set of object interface application elements and telephony system elements. Particular objects may be chosen depending on which elements of the telephony system will need to be interfaced. A particular object is capable of interfacing with one or more elements of the telephony system. The elements of the telephony system may be any identifiable aspect of the telephony system. For example, the objects could represent a handset or a line. Less tangible elements can also be represented, such as signals or procedures, including call progress tones, call setup, call hold, conference calls, or other call features.

24 Claims, 21 Drawing Sheets